

AMENDMENTS TO THE CLAIMS

The below listing of claims replaces all prior versions and all prior listings of the claims in the application.

Listing of Claims

1. (Currently Amended) A cooling apparatus for a hybrid vehicle,
the hybrid vehicle comprising:
an internal combustion engine for driving the hybrid vehicle;
a motor as a power source for driving the hybrid vehicle together with the internal combustion engine, and
a motor control device for controlling ~~the operation~~an operation of the motor; and
the cooling apparatus for the hybrid vehicle comprising:
a cooling circuit for cooling said internal combustion engine and said motor control device by common coolant; and
a temperature setting device for ~~setting independently a temperatures independently~~
setting a management temperature of the coolant at said internal combustion engine ~~and the~~and a
management temperature of the coolant at said motor control device.

2. (Currently Amended) A cooling apparatus for a hybrid vehicle according to claim 1, wherein the cooling apparatus comprises a radiator provided with a plurality of flow paths for radiating heat of said internal combustion engine and said motor control device, and the

temperature setting device sets said management temperatures independently by flowing the coolant through each of said plurality of flow paths.

3. (Original) A cooling apparatus for a hybrid vehicle according to claim 1 or claim 2, wherein an output shaft of said internal combustion engine and an output shaft of said motor are mechanically connected.

4. (Currently Amended) A cooling apparatus for a hybrid vehicle according to ~~any one of~~ claim 1, wherein the cooling apparatus comprises a plurality of thermostats having ~~induction~~operation temperatures ~~differ~~different from each other, and ~~each~~said management ~~temperature is~~temperatures are independently set at a ~~temperature~~different temperatures by means of said plurality of thermostats.

5. (Currently Amended) A cooling apparatus for a hybrid vehicle according to claim 1, wherein the cooling apparatus comprising:

a circulation path having a water jacket provided in an interior of said internal combustion engine and a water pump which circulates said coolant to said water jacket;

a radiator having a plurality of flow paths constituting different flow paths for said coolant;

a supply path which branches from said circulation ~~path at~~path downstream of said water jacket for flowing said coolant to said radiator;

a first flow path for flowing said coolant to said circulation path from said radiator through a first thermostat which has an ~~induction~~operation temperature set relatively high;

a second flow path for flowing said coolant to said circulation path from said radiator through a second thermostat which has an ~~induction~~operation temperature set relatively low, and also supplies said coolant to said motor control device; and

a bypass flow path which connects said supply flow path to a position downstream of said second thermostat of said second flow path.

6. (Original) A cooling apparatus for a hybrid vehicle according to claim 5, wherein said second thermostat is disposed at a position downstream of said motor control device.

7. (Original) A cooling apparatus for a hybrid vehicle according to claim 6, wherein said motor is arranged in a position downstream of said motor control device in said second flow path, and

said second thermostat is arranged in a position between said motor control device and said motor and is connected to said bypass flow path.

8. (Currently Amended) A cooling apparatus for a hybrid vehicle according to claim 5, wherein said second thermostat is ~~arranged in~~arranged at a position upstream of said motor control device.

9. (Currently Amended) A cooling apparatus for a hybrid vehicle according to claim 1, wherein the cooling apparatus comprising:

a circulation path having a water jacket provided in an interior of said internal combustion engine and a water pump which circulates said coolant to said water jacket;

a radiator having a plurality of flow paths constituting different flow paths for said coolant;

a supply path which branches off from said circulation path at a position downstream of said water jacket and which flows said coolant to said radiator;

a first flow path which flows said coolant to said circulation path from said radiator through a first thermostat which has a relatively high ~~induction~~operation temperature;

a second flow path which flows said coolant to said circulation path from said radiator via a second thermostat which has a relatively low ~~induction~~operation temperature, and also supplies said coolant to said motor control device; and

a bypass flow path which ~~connects at~~connects, upstream of said water jacket ~~a position of jacket, said circulation path at a position~~ between said water pump and said water jacket to said second flow path at a position ~~on a downstream side of said second thermostat of said second flow path.~~

10. (Currently Amended) A cooling apparatus for a hybrid vehicle according to claim 1, wherein the cooling apparatus comprising:

a circulation path having a water jacket provided in an interior of said internal combustion engine and a water pump which circulates said coolant to said water jacket;

a radiator having a plurality of flow paths constituting different flow paths for said coolant;

a supply path which branches from said circulation path at a position downstream of said water jacket and which supplies said coolant to said radiator;

a first flow path which flows said coolant to said circulation path from said radiator through a first thermostat which has a relatively high ~~induction~~operation temperature; and

a second flow path which flows said coolant to said circulation path from said radiator through a second thermostat which has a relatively low ~~induction~~operation temperature, and also supplies said coolant to said motor control device; and

said second thermostat is disposed in said circulation path.